

## ABSTRACT

Disclosed herein are simple and unique methods of preparing liposomal compositions of *N*-(4-hydroxyphenyl) retinamide (4HPR) and/or other retinoids. Also disclosed are liposomal 4HPR compositions prepared by such methods, and use of such compositions in the treatment of diseases, such as breast cancer. This invention further provides methods for improving the efficacy of *N*-(4-hydroxyphenyl) retinamide (4HPR) as a chemopreventive agent in the presence of agents that potentiates its ability increase the expression of inducible nitric oxide synthase (iNOS, and NO production in cells.